

205006US-2



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

IN RE APPLICATION OF :

Yusuke KINOSHITA et al. : ATTN: APPLICATION DIVISION

SERIAL NO.: 09/814,720 :

FILED: March 23, 2001 :

FOR: METHOD FOR PACKET :
COMMUNICATION AND
COMPUTER PROGRAM
STORED ON COMPUTER
READABLE MEDIUM

PRELIMINARY AMENDMENT

ASSISTANT COMMISSIONER FOR PATENTS
Washington, D.C. 20231

SIR:

Prior to an examination on the merits and in response to the Notice to File Missing

Parts mailed May 3, 2001, please amend the above-identified patent application as follows:

IN THE SPECIFICATION

Page 38, beginning at line 13, please begin the claims on a separate page as follows:

004429 07004
0224860

What is claimed is:

1. A method for packet communication wherein a sender address of a packet including a private address as a sender address sent by a node which can be moved among different networks is changed to a same global address even when said node sends said packet in either of the networks.

2. A method for packet communication wherein a node including a private address as a sender address is moved from a first network having said node and address changing means for receiving the packet from said node and then changing said sender address of the packet to a global address for output into a second network which is different from said first network, comprising the steps of:

receiving said packet from said node which, is moved into said second network;

changing said sender address of said received packet from said private address to a same global address as said global address; and

sending said packet whose sender address has been changed to the outside of said second network.

3. A method for packet communication according to claim 2, comprising the steps of said node moved into said second network and said address changing means in said first network notifying to each other correspondence between said private address and said global address periodically after said node is registered in a home agent for managing said first network and a foreign agent for managing said second network.

4. A method for packet communication according to claim 2, comprising the steps of:

detecting that a registration request is sent from said node moved into said second network to a foreign agent for managing said second network; and

after the detection, requesting said address changing means in said first network said global address mapped to said private address.

5. A method for packet communication according to claim 2, comprising the steps of:

detecting that a response indicating that said node is registered is sent from a home agent for managing said first network to a foreign agent for managing said second network; and

after the detection, requesting said address changing means in said first network said global address mapped to said private address.

6. A method for packet communication according to claim 2, further comprising the step of adding code for requesting said global address mapped to said private address to a registration request sent from a foreign agent for managing said second network to a home agent for managing said first network.

7. A method for packet communication, comprising the steps of;

outputting a packet including a private address as a sender address to changing means for changing a sender address of said packet from said private address to a global address; and

sending a packet whose sending address is a global address which is same as said global address in a second network which is different from said first network.

8. A method for packet communication, comprising the steps of:

receiving a packet including a private address as a sender address from a first node in a first network;

changing a sender address of said received packet from said private address to a first global address;

sending said packet whose sender address has been changed to the outside to said first network;

receives a packet including a second global address, which is different from said first global address as a sender address, from a second node which has been moved into said first network from said second network which is different from said first network; and

sending said packet to the out side of said first network without changing a sender address of said packet received from said second node from said second global address to said first global address.

9. A computer program stored on a computer readable medium, wherein a node including a private address as a sender address is moved from a first network having said node and address changing means for receiving the packet from said node and then changing said sender address of the packet to a global address for output into a second network which is different from said first network, comprising :

code that receives said packet from said node which is moved into said second network;

code that changes said sender address of said received packet from said private address to a same global address as said global address; and

code that sends said packet whose sender address has been changed to the outside of said second network.

REMARKS

Favorable consideration of this application as presently amended and in light of the following discussion is respectfully requested.

Submitted herewith is a copy of the Claims on a separate sheet as required under 37 CFR 1.75(h). No new matter is believed to have been added.

Accordingly, examination on the merits is believed to be in order, and an early and favorable action on the merits is respectfully requested.

Respectfully submitted,

OBLON, SPIVAK, McCLELLAND,
MAIER & NEUSTADT, P.C.



Gregory J. Maier
Registration No. 25,599
Attorney of Record



22850

(703) 413-3000
Facsimile (703) 413-2220
GJM:abs
H:\FillerWork\205006.pre.wpd

Surinder Sachar
Registration No. 34,423